BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Drains at Jai Hanuman layout Main Road (at Basavaraj Pravision Store) in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.

									Est Cost Rs.	2500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum								
	Desilting of Drains Jai Hanuman layout Main Road (at Basavaraj Pravision Store)		2	305.00	0.45	0.45	123.53			
	Basic Rate	82.00					**123.53**	208.93	**25808.00**	
	AD-HOC @ 11% of PWD SR 2016-17	9.02					✓	✓	✓	
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00								
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08								
		197.10	✓							
	Area Weightage @6%	11.83	✓							
	Total	**208.93**	✓							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33 PWD SR 2016-17**	Sqm								
			2	305.00		1.35	823.50			
	Consider 50%						395.28			
	Basic Rate	76.00					**428.22**	89.42	**38292.00**	
	AD-HOC @ 11% of PWD SR 2016-17	8.36					✓	✓	✓	
	Sub Total	**84.36**	✓							
	Area Weightage @ 6%	5.06	✓							
	Total	**89.42**	✓							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 25 / Item No. 5.31.1 PWD SR 2016-17**	Sqm								
	Consider 25% Damaged Slabs		Vide Item No. 2				98.82			
	Basic Rate	628.00					**98.82**	738.90	**73019.00**	
	AD-HOC @ 11% of PWD SR 2016-17	69.08					✓	✓	✓	
	Sub Total	**697.08**	✓							
	Area Weightage @ 6%	41.82	✓							
	Total	**738.90**	✓							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5-14.2 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17**	Sqm							
			4	305.00		0.40	488.00		
	Basic Rate	831.00					**488.00**	977.75	**477144.00**
	AD-HOC @ 11% of PWD SR 2016-17	91.41							
	Sub Total	**922.41**							
	Area Weightage @ 6%	55.34							
	Total	**977.75**							
5	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Coping Concrete		4	305.00	0.20	0.10	24.40		
	Vent Concrete		2	305.00	0.45	0.10	27.45		
	Basic Rate	5441.00					**51.85**	6401.88	**331938.00**
	AD-HOC @ 11% of PWD SR 2016-17	598.51							
	Sub Total	**6039.51**							
	Area Weightage @ 6%	362.37							
	Total	**6401.88**							
6	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		1017	0.90	0.60		549.00		
							549.00	1820.56	**999487.00**
7	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 25 / Item No. 5.30 PWD SR 2016-17**	No							
	Kerb Stone		2	305.00			1356		
				0.45					
							1356	368.28	**499218.00**
	Basic Rate	313.00							
	AD-HOC @ 11% of PWD SR 2016-17	34.43							
	Sub Total	**347.43**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	20.85							
	Total	**368.28**							
8	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17**	Sqm							
	Kerb Stone Painting		2	305.00		0.45	274.50		
	Basic Rate	26.00					**274.50**	30.59	**8397.00**
	AD-HOC @ 11% of PWD SR 2016-17	2.86							
	Sub Total	**28.86**							
	Area Weightage @ 6%	1.73							
	Total	**30.59**							
9	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17**	Sqm							
			Qty Vide Item No. 8				274.50		
	Basic Rate	66.00					**274.50**	77.66	**21316.00**
	AD-HOC @ 11% of PWD SR 2016-17	7.26							
	Sub Total	**73.26**							
	Area Weightage @ 6%	4.40							
	Total	**77.66**							
	Sub Total								**2474619.00**
	Third Party Inspection Charges @ 1%								**24746.00**
	Add for unforseen and rounding off	L/S							**635.00**
								Total	**2500000.00**
	Rupees Twenty Five Lakh(s) Only								

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
3 This work included under 2017-18 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Administrative Approval
Accorded for .....
Head of A/c .....
CER NO : .....

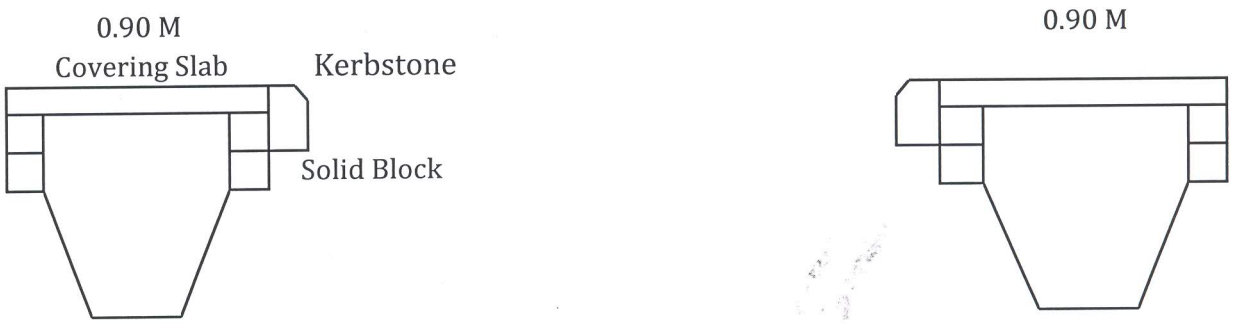
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
17/02

Technical Sanction
Accorded
Head of
CER NO

TA CE (YNK)

TA CE (YNK)

Name of work: Improvements to Drains at Jai Hanuman layout Main Road (at Basavaraj Pravision Store) in Ward No. 09 (Vidyaranyapura) Vidyaranyapura Sub Division.



Cross Section of Solid Block Raising, Covering Slab and Kerb Stones

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division